15TH Anniversary YEAR

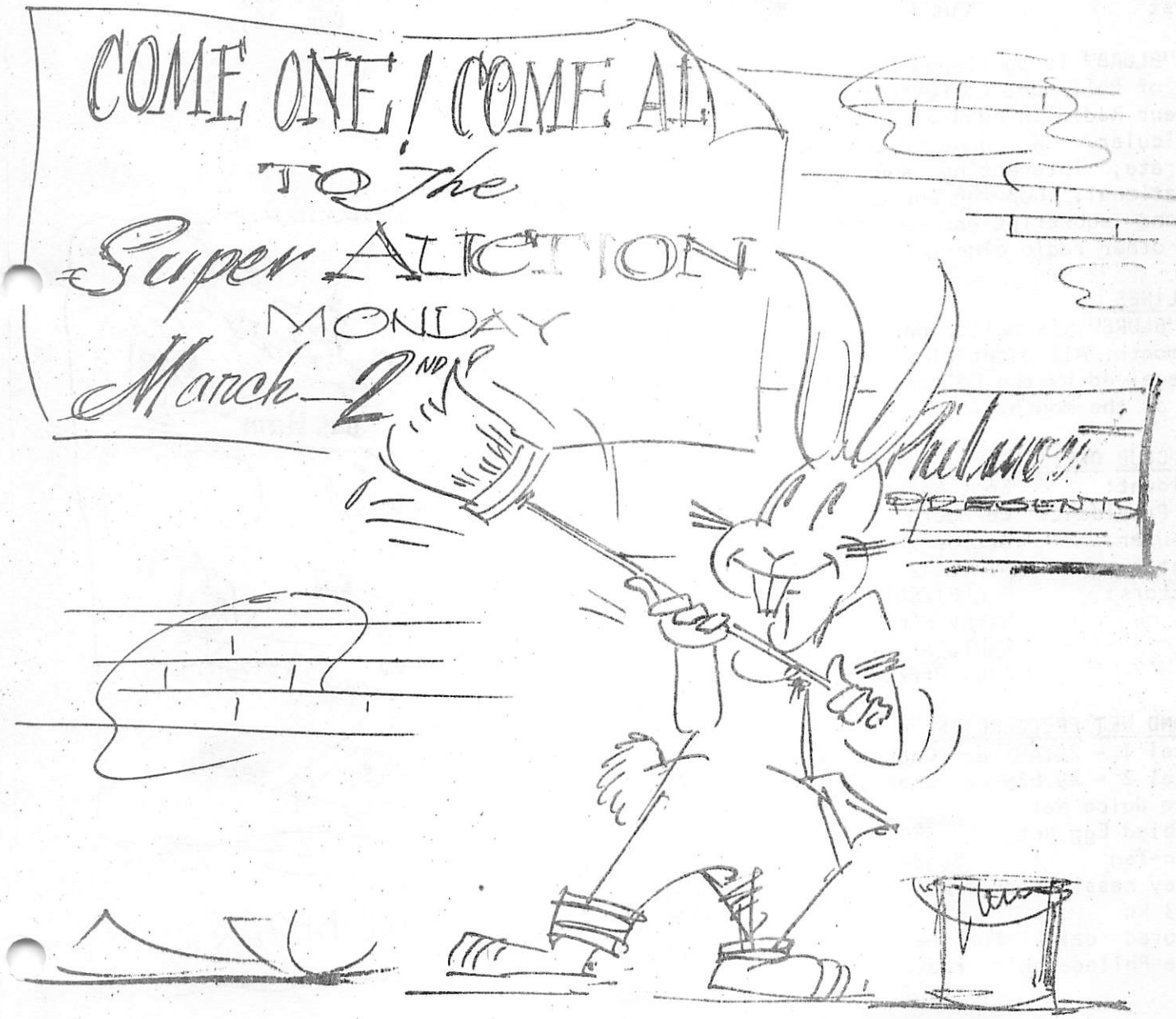
# THE BLURB

AREA. MEMBER

PHILMONT MOBILE RADIO CLUB INC.

MARCH 1964

COME ONE! COME ALL
TO The
Super AUCTION
MONDAY
March 2ND



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Phil-Mont Mobile Radio Club

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VOLUME 14

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**CIRCULATION AND PRINTING**

| | |
|---|---|
| Printers | W3YHV, K3HIE |
| Boss Stitcher | W3VVS |
| Collator | W3QQH |
| Typist | K3AUW |

The "BLURB" is published by and for the members of Phil-Mont to further the interest of Amateur Radio in general and Mobile Radio in particular. We endeavor to keep the news accurate, interesting and in a small way educational. Copying and quoting is permitted and subscriptions are gladly exchanged with other radio clubs.

**DEADLINES**
The "BLURB" is mailed on the last Monday of the month. All material for the "BLURB" must be received by the Editor, K3KUD, before the 15th of the month.

**1964 CLUB OFFICERS**

| | | |
|---|---|---|
| President: | Enos Bartol | K3GNJ |
| Vice President: | Ed Moore | W3EQV |
| Treasurer: | George Weed | W3MHR |
| Secretary: | Al Lewis | W3WPD |
| Directors: | W3QQH(E64), | K3DJE(E65) |
| | W3YHV(E66), | W3GOW(A) |
| | K3HIJ(A), and all 1964 Club Officers. | |

**NET AND NET FREQUENCIES**

Channel 1 - 29.493 mc Channel 3 - 147.78 mc
Channel 2 - 29.629 mc Channel 4 - 50.7 mc

| | | |
|---|---|---|
| Orange Juice Net | Weekdays | 0700 - 0730 |
| Scrambled Egg Net | | 0730 - 0830 |
| Ten-on-Ten | Sundays | 1000 - 1100 |
| Blarney sessions anytime 29.493 kc | | All Channels 0930 - 2400 |

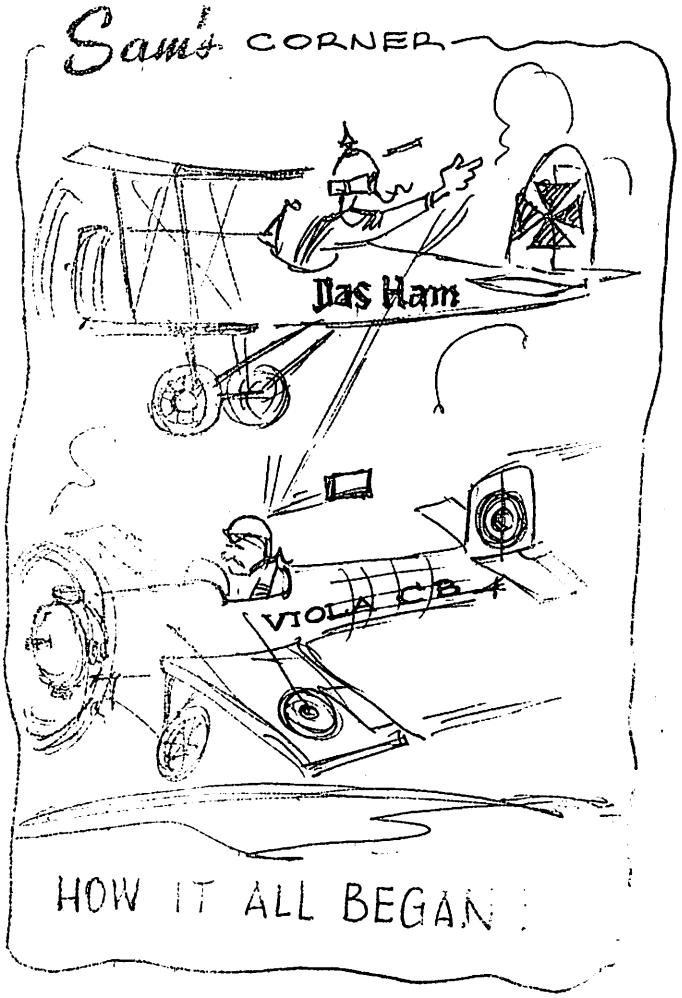
Monitored daily for the benefit of mobiles in the Philadelphia area.

## P M R C C A L E N D A R

**MEETINGS**
Regular Meetings: First Monday of each month
Time: 2000 hours (8:00 p.m.)
Place: THE FRANKLIN INSTITUTE
20 & Benjamin Franklin Parkway

**MID-MONTH SCHEDULE**

| | | | |
|---|---|---|---|
| Feb. 12, | W3QQH | July 15, | W3NIP |
| March 18, | W3UMK | Aug. 19, | |
| April 15, | W3WNC | Sept. 16, | |
| (Stag Dinner) | | Oct. 14, | W3GOW |
| May 13, | W3MHR | Nov. 18, | |
| June 17, | W3VVS | Dec. 16, | |



## THE PREZ SEZ

"A real comfort and a feeling of security." That is the thought which races through my mind and probably through the minds of many Philmonters each morning and evening while mobiling to and from work. We know that a fixed station is on hand every morning to take traffic from the mobile, summon aid if needed, or just to "yak" as we drive.

Therefore, this month's Prez Sez is dedicated to those who make themselves available each morning to act as control operators. Many of these fellows would be able to grab an extra forty winks in the morning, but feel a duty to Phil-Mont and its members.

To all the stations engaged in this work, past and present, many of us offer our heartfelt thanks.

I continue to be amazed every time we have a heavy snowfall at the way our club automatically goes into emergency operation with almost proffesional efficiency.

de K3GWJ

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## IT SEEMS TO ME

One of the currently popular facets of amateur radio is the one which deals with the written and verbal degradation of operating procedures, the licensing system, the technical ability in evidence and the opinion of everyone not in agreement with the propounder.

This pastime is being enjoyed by those in high places and by the most humble, youngsters and oldtimers, and in fact, just about everyone. There is little doubt that just as each operator makes an impression when operating, each is entitled to his opinion in the current situation. There is also little doubt that there is room for improvement in amateur radio, but then, there are few things in the world which couldn't be improved with a little effort.

Reviewing briefly some of the projects currently being undertaken by Phil-Mont, I can't help but feel that as individuals and as a club we are making a definite attempt at improvement.

For example, we are in the process of building a communications trailer which will be one of the finest anywhere, featuring complete all band coverage, SSB, RTTY, and available tie-in circuits for operation with municipalities. We have at least four members currently instructing classes in radio theory in local schools and we operate code practice sessions from W3TKQ on a regular schedule. These are all public service projects. The six meter FM project being undertaken by about twenty of our members, the constant striving for improved mobile equipment, much of it homebrew, and the fact that spontaneous assistance or instruction in troubleshooting and repair is always available for the asking on Channel 1, are all examples of the interest in technical improvement.

While this may be "patting ourselves on the back", the point is that any group or individual can contribute a great deal to the overall improvement of our chosen hobby, and with little more effort than it takes to just "sound off".

de K3KIP

## CLUB NEWS AND ACTIVITIES

The following is a complete list of committee chairmen and members appointed to date:

| COMMITTEE | CHAIRMAN | MEMBERS |
|---|---|---|
| Activities | W3EQV | W3JYA |
| Awards | W3VVS | W3CDY |
| Budget | W3GOW | W3DSG, AWE, QQH, NIP, MHR |
| Auction | W3WNC | W3JYA, MER |
| Comm Truck | W3QQH | W3JYA, ZEH, K3HIE, KUD |
| W3TKQ | W3ADV | W3EQV, CDY, NIP, K3HIJ |
| Prizes | K3SPS | |
| Program | W3AWH | W3CDY, K3HIJ |
| Interclub | W3UMK | WA2RDC, K3UWO |
| Field Day | W3YHV | W3QQH, EQV, K3CEE, KDP W3ZEH |
| Banquet | W3QQH | W3WPD, ZPP, K3HIJ, KUD, GNM, DJE, CDY, DSG |
| Historian | WN2GBJ | |
| Membership | W3AWH | |

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The February meeting featured a program by Dr. Lawrence Halpern. Illustrated by slides and spiced by Dr. Halpern's humor, this was a most unusual and interesting presentation. The subject matter was the study of the transmission of information to and from the brain via the nervous system. The electronic monitoring and measuring of these body-generated electrical impulses, and the equipment used in the studies were thoroughly covered by our speaker.

In a more serious vein, an eloquent plea by our Treasurer, W3MHR, for the payment of dues, touched the hearts of all who heard him. Lloyd, W3CDY, introduced the new operators of W3TKQ. They are W3YG, Paul Singwald; W3TJQ, Howard Unruh and K3RTR, Sam Moskowitz. Nelson, W3DYP, will still be heard as these four men are going to work two-days on and six-days off.

The general membership approved the purchase of a 26-foot office trailer which will, in the near future, become one of the finest communications vehicles in the country.

A total of 14 visitors was present and each was introduced to the group by Paul, W3VVS.

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Don't forget to bring your goodies to the March meeting, it's Freebee Auction time! The meeting will also feature short talks by Paul, W3VVS, and Jim, W3JYA. Paul will discuss some recently built equipment and Jim's subject will be the RCA 6146B. Visitors are welcome-come join the fun.

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CLUB NEWS AND ACTIVITIES (continued)

The mailing of the February BLURB closely Approximated a disaster, as about 90 percent of the membership can attest. The problem, however, was generated by the Postoffice Department and not by the BLURB staff. We are making every attempt to correct this situation, but contrary to rumors you may have heard, the staff will positively not do the delivering in person!

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Joe Elmaleh, K3HLJ, is making great progress on the development of a remote operating arrangement for W3TKQ. We certainly are getting fancy and modern.

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The Philadelphia Inquirer recently devoted quite a bit of space to the Delaware County Amateur Radio Public Service Corps (ARPSC). Much of the material centered around Ralph Garrick, W3FLP, a Philmonter, better known as "Radio Ralph". The article clearly stated the organization, aims and usefulness of Corps. An excellent article and good publicity for hams in general and the Delaware County ARPSC in particular.

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The 6 meter FM activity is really getting under way now, with quite a bit of equipment becoming available at reasonable prices. The frequency is the national calling frequency, 52.525mc. Anyone interested in obtaining either information or equipment should contact Lloyd Sherman, W3CDY or Jim Spencer, W3QQH.

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For the first time in a ling while, Phil-Mont will hold a TRANSMITTER HUNT ! The date is April 5, and the secret stuff is under the direction of K3DJE, Bob Diefenderfer.

Our Technical Staff informs me that the April BLURB will feature ideas and information useful in the construction of transmitter hunting equipment. (Ed.)

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The Fifteenth Armed Forces Day Communications test will be held this year on May 16, 1964. These tests are open to amateurs everywhere, and this event is the only time in the year that amateurs may legally work crossband with the designated military stations. Certificates will be given for perfect copy, as always, and QSL cards will be sent by the military stations. We will have more information on this subject later and will keep the data up to date for interested members.

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We would like to thank Pat, the daughter of Enie, K3GNJ, for helping us out this month. Madeleine, K3AUW, who is our regular typist, had to beg off because of a very trying work schedule and Pat jumped right in and did the job for us.

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TID-BITS

For the fellows who are always building power supplies - Have you fully utilized the power available at the accessory sockets of your commercial gear?

Tnx to WA2RDC

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Several months ago the BLURB ran a few lines asking that our readers send a QSL to a little girl named Sherry, who was a patient in the Shriner's Hospital. A recent issue of "The Honeywell World", a publication of Minneapolis-Honeywell carries the story of Cliff Craig, K3TKA, a technical engineer employed by Honeywell. Craig is Sherry's stepfather, and as a result of the interest shown by Sherry and the obvious pleasure she was able to derive from ham radio, he is undertaking the establishment of an amateur station at the Shriner's Hospital. Chaig has applied for special call letters for the hospital, and has been receiving support and help from many hams, both with Honeywell, and members of the Shrine.

This is certainly an interesting sequel to the story of the little girl, and we hope that Craig's plan is a success. Anyone interested in helping out with this project can contact Craig at 408 Mallard Road, Feasterville.

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A new non-coherent light-energy generator, the Enertron, is said to be better than any laser for many space communication or ranging uses. Its energy conversion efficiency is claimed to be equal to that of a magnetron (better than 50 percent).

It can radiate 50 megalumen light pulses at 10 kc repetition rate. The Enertron, a multi-electrode, gas discharge tube immersed in a high viscosity liquid, converts low average input power to very high output power. With a simple receiver consisting of a dime store lens, beer can, si-solar cell and a two transistor amplifier, the Enertron provided voice communication over 150 miles in a recent Navy test. It could prove to be a practical way of using radiation in the Ultra-violet, visible, or infra-red range for radar, communication and missile guidance.

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The Boy Scout's World Bureau in Ottawa, Canada, now has its own amateur station. The call of this station is VE3WSB and it was opened on February 22 of this year. Boy Scouts throughout the world are asked to try to make contact with it.

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The New York Port Authority is trying to take over the famous Radio Row area for a World Trade Center. This area, bounded by Church, Liberty, West and Vesey Streets, is thirteen square blocks in size and contains 200 stores. There is no other place like it in the world, as the following figures will prove: In 1963, Radio Row sold over 3 million radios, 20 percent of all U.S. tape recorders, 21 percent of all U.S. radio components, 13 percent of all tape recorders and 13 percent of all loudspeakers sold in the United States.

From AREA publication "LARC Bulletin"

TIB-BITS (continued)

The wires of Associated Press, on January 30, carried the news of the death of Irving Vermilya, W1ZE, at the age of 73. Mr. Vermilya was considered to be the foremost radio amateur in the United States, and had been personally aquainted with Guglielmo Marconi, the developer of wireless telegraphy.

Mr. Vermilya became interested in radio at the age of 11 when his father took him to Goat Hill, Newfoundland, where in 1901 Marconi's first trans-atlantic message was received.

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Markusen Electronic Specialties of Colquet, Minnesota, has produced mercury-cell powered transistorized transmitters built into a plastic collar. Professor John J. Kupa, of the University of Rhode Island, plans to put these transmitters on deer to study their movements and habits during a two year study program. Each transmitter operates on a different frequency and each is licensed by the FCC. Wonder what the regulations are about being deer-mobile?

AREA publication LARC Bulletin

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The Cal-Glo Company, Saugus, California has announced the availability of a new line of micro-miniature indicator lamps, trade name "Brite-Eye". Available in ratings of 1-1/2 v to 28 v, these lamps can be obtained in five colors, round or square lens. The units are mounted from the front and can also be re-lamped from the front.

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General Electric announces a new triode-pentode, the 6T9 Compactron. The new tube has a seated height of 2 inches and a diameter of 1.188 inches. Combining a 5 watt driver/power output, this tube has a pentode section similar to, but better than, the old 6AQ5 power pentode and a triode section which offer characteristics almost the same as another old standby, the 1/2 12AX7 voltage amplifier. The pentode section features 12 watts plate dissipation and 6500 micromhos transconductance. The triode has an amplification factor of 90 and transconductance of 3000 micromhos. The 6.3 v heater draws 0.925 amperes. Plate voltages are: pentode 275 v; triode, 300 v.

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The following "poem" was contributed by K3CEE.

Percival Prod paid no heed
To where he placed the meter lead,
To where he set the meter switch,
Red or black, no matter which.
Now pity poor Perc, who repents his sin,
With the meter needle wrapped round the pin.

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## CHANNEL CHATTER

Nancy, WA3AAZ, can be heard regularly on Channel 1 and she has learned how to hold her own very well in the verbal battles on the Channel.---W3LEM, Ed, new car mobile with a Buick, being told by QCH not to use "that old, beat-up antenna mount".---Bill,K3HIE, and family enjoying a big night out at the Montgomeryville Mart.---Bob, W3IW, delving into the past to call attention to an article in a 1954 BLURB.---Ernie (Sunny), W3DSG, offering to rescue IW's XYL when her car developed trouble while she was shopping.---Al, K3GNM, back in circulation and being heard on Channel 1, after his sojourn in the Southland.---Jon, K3HWX/WQT walkie-talkie being heard in Glenside.---Bill, K3HIE, checking out a rig on 3610 kc and threatening to go on CW.---Madeleine, K3AUW, with a new vertical coax, and putting out a much better signal in this area.---Bob, K3CEE, extolling the virtues of Girl Scouts (cookies).---Joe, K3HIJ, and XYL, "Mike", making preparation for the arrival of a well known, long-billed bird.---The Land Rover is dead! Long live the Fairlane.---Dick, K3KDP, gave up and traded the Beast for a Beauty.---Enie, K3GNJ, and family looking at houses in Montgomery County while talking to one of Delaware County's outstanding realtors, Russ, K3NYN.---Parts of the Phil-Mont film, "Every Single Minute" being used on WHYY-TV by Commander Caroline White, USN, to illustrate a 30 minute program on electronics as a vocation and an avocation.---Charlie, W3ZPP, Busy as a beaver on Sunday mornings, between going to church, installing his phone patch and checking in on the net.---Harold, W3ZN, Traffic Manager for Navy Mars, is really being kept busy in the performance of traffic handling duties, but as would be expected, Harold is doing a fine job.---From the number of female voices which can be heard on Channel 1 these days, we may wind up with a YL net ---Russ, K3NYN, very apt to be appointed maitre d' at the Phil-Mont Club Lounge (six feet in the front of the new trailer).---Woody, W3PST, would like to thank all the fellows who took time to send a card to his son when the boy was hospitalized.---Ed, W3EQV, in California for a month---, Channel 1 was really busy during the consecutive snowstorms on February 11 and 12. Road conditions, progress reports and just plain chatter. It is a real comfort when you are out in bad driving conditions to know that there is someone listening "Every Single Minute".---John, W3AWH, foolishly stated his opinion of snow tires and thereby generated a discussion which lasted for quite a while and accomplished absolutely nothing.---John also let it be known that his twin sons were about ready to try for their Novice tickets. ---Had a note from Al, W3VSD. He tells us that his second call is now WB2LNI and that he monitors Channel 1 faithfully at the new "salt mine" (Pennsauken, N.J.). Al hopes to have a transmitter on the channel very soon. ---Received a copy of the Philadelphia County RACES Bulletin, edited, written, published and mailed by Woody, W3PST. He is using Multilith now and the result is very good.---George, W3MHR, so anxious to get back on 40 meters that he has erected a vertical for that frequency. High, ain't it ?---W3QCH, Jim, now has a new 10 meter transmitter in operation from the home station.---Thanks to Gene Pressler, W3ZKV, Editor of North Penn's STATIC for the membership directory. That kind of cooperation will get you everywhere, Gene.---That about wraps it up for this time. Keep the channel active and send us the little goodies that you hear. 73

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## SWAP AND SHOP

For sale: CW rig; Pair 4-400 A's modulated by a pair of 250 TH's. 866 rectifiers. Needs little work. $225.00

Contact Jon Balch, K3HWX
Channel 1 or
phone LA-5-6736

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For sale: Complete mobile rig. (10 meters) Home brew xmtr 2E26 final. Gonset converter w/noise limiter, PE 103 dynamotor. 10 meter whip w/mount. Carbon mike. $ 35.00

Contact Ed McVaugh, W3LEM
Channel 1 or
phone OL-9-5237

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For sale: Viking Mobile Transmitter. 75 watts/phone. All bands. No power supply. $ 40.00

For sale: Gonset Twins - 80 thru 10 meters, phone/CW. DC supply plus AC supply for receiver incl. $210.00

For sale: Heath Sixer - 6 meter transceiver-5 watts input, w/crystal and mike. $ 35.00

Contact Al Ciampaglia, W3VSD
Phone: Day 609-NO-2-9162
Nite FU-9-8821

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For sale: Heath Apache transmitter, good condition. Reasonable

Contact Enie Bartol, K3GNJ
Channel 1 or
phone CH-7-7962

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For sale: ARC-5 (T-22) Transmitter, 7-9 mc. Ready for CW including metering and separate final tuning $ 10.00

10 mtr Mobile RF deck. 6CL6, 5763, 6146. Matches Morrow Converter for size. $ 10.00

Model 31 Teletype. Compact TTY. Airborne use with shock mounts. 110 v ac motor. Trade only

GE MM-2 scope $ 40.00

CRV Navy receiver 15 to 600 kc, with pwr sply. $ 25.00

Separate 10, 15, 20 mtr beams, prop pitch motor mast, indicators, and pole. In good working condition from estate of W3UKF. Must be sold by March 15. $200.00

Contact C. R. Spencer Jr., W3QCH
phone TU-4-8469

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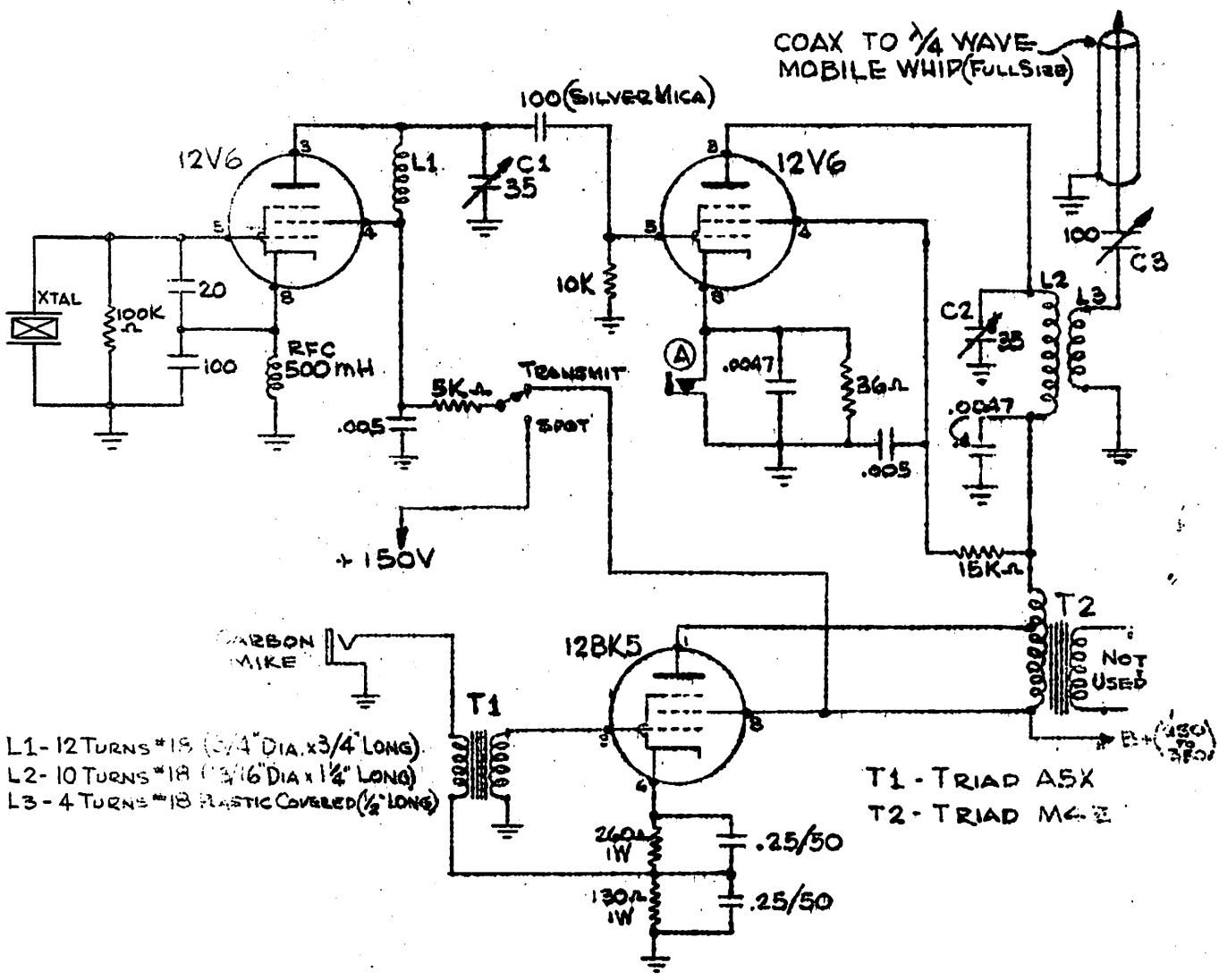
# PHILMONT TEK-NI-GRAM MARCH 1964

## LOW POWER MOBILE TRANSMITTER FOR TEN METERS

CONTRIBUTED BY W3CW




1. THE CRYSTAL IS A 7 MC FUNDAMENTAL WHICH WILL MULTIPLY TO THE DESIRED 10 METER OPERATING FREQUENCY.
2. ALL COILS (L1, 2 & 3) SHOULD BE DIPPED TO THE MIDDLE OF THE BAND OR TO THE DESIRED SINGLE FREQUENCY.
3. TUNING PROCERE —
   - A- INSERT MILLIAMMETER INTO JACK Ⓐ.
   - B- TUNE C1 FOR MAXIMUM METER DEFLECTION.
   - C- TUNE C2 FOR DIP.
   - D- TUNE C3 FOR INCREASE IN LOADING.
   - E- ALTERNATELY TUNE C2 AND C3 UNTIL A MAXIMUM OF 35 MA ARE INDICATED.
4. A KEY MAY BE INSERTED AT JACK Ⓐ FOR CW OPERATION.

PHIL-MONT MOBILE RADIO CLUB INC.



# The "Blurb"

A PHIL-MONT MOBILE RADIO CLUB PUBLICATION

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